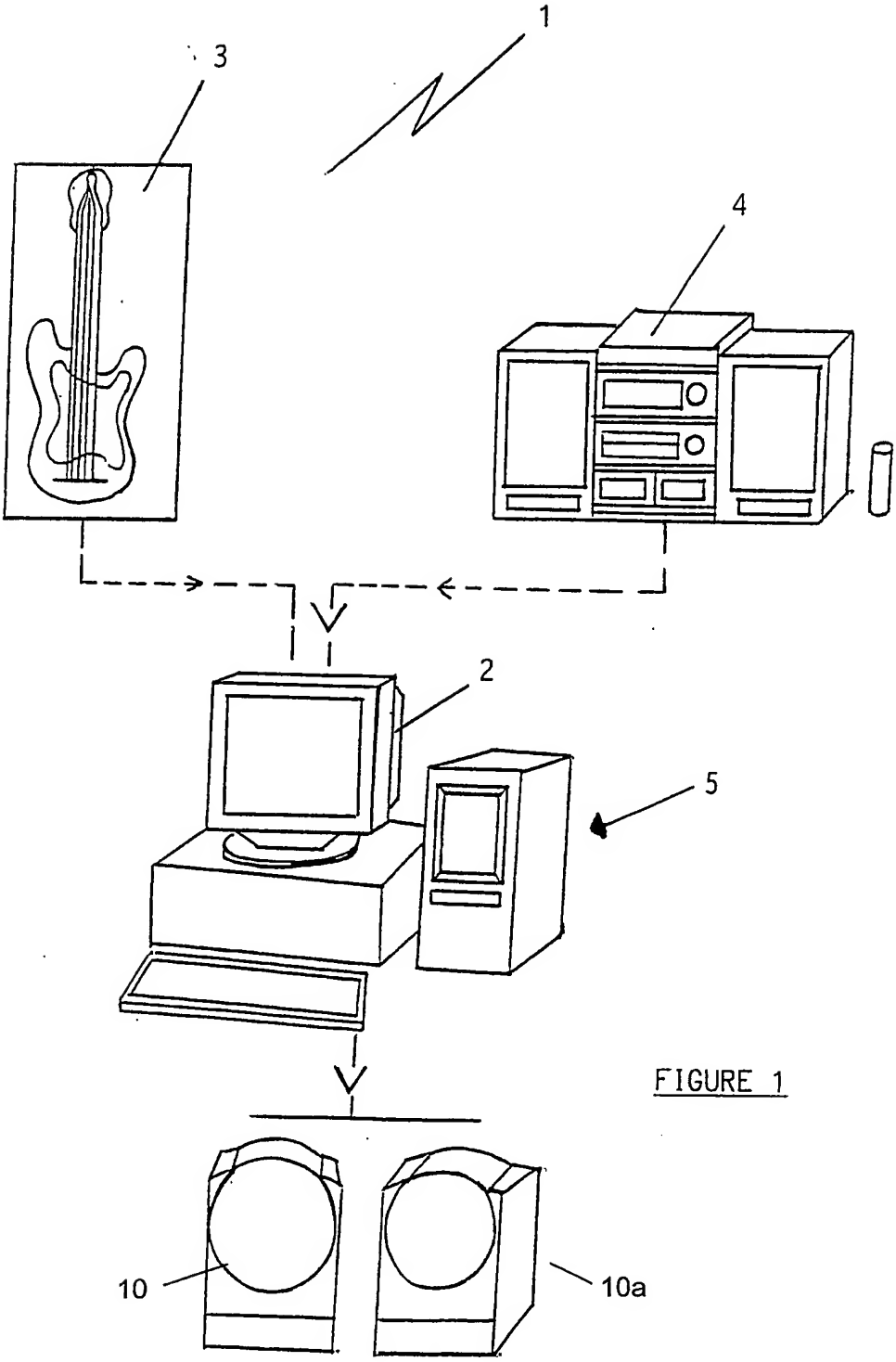


FIGURE 1

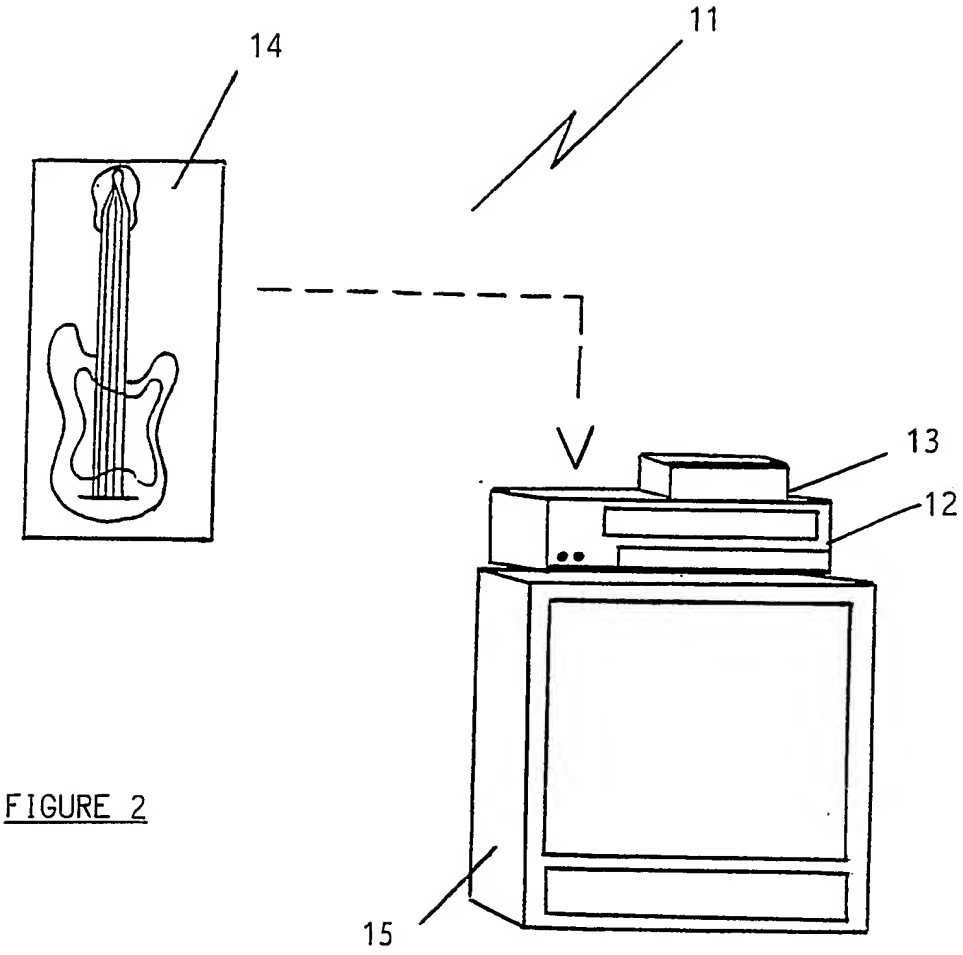


FIGURE 2

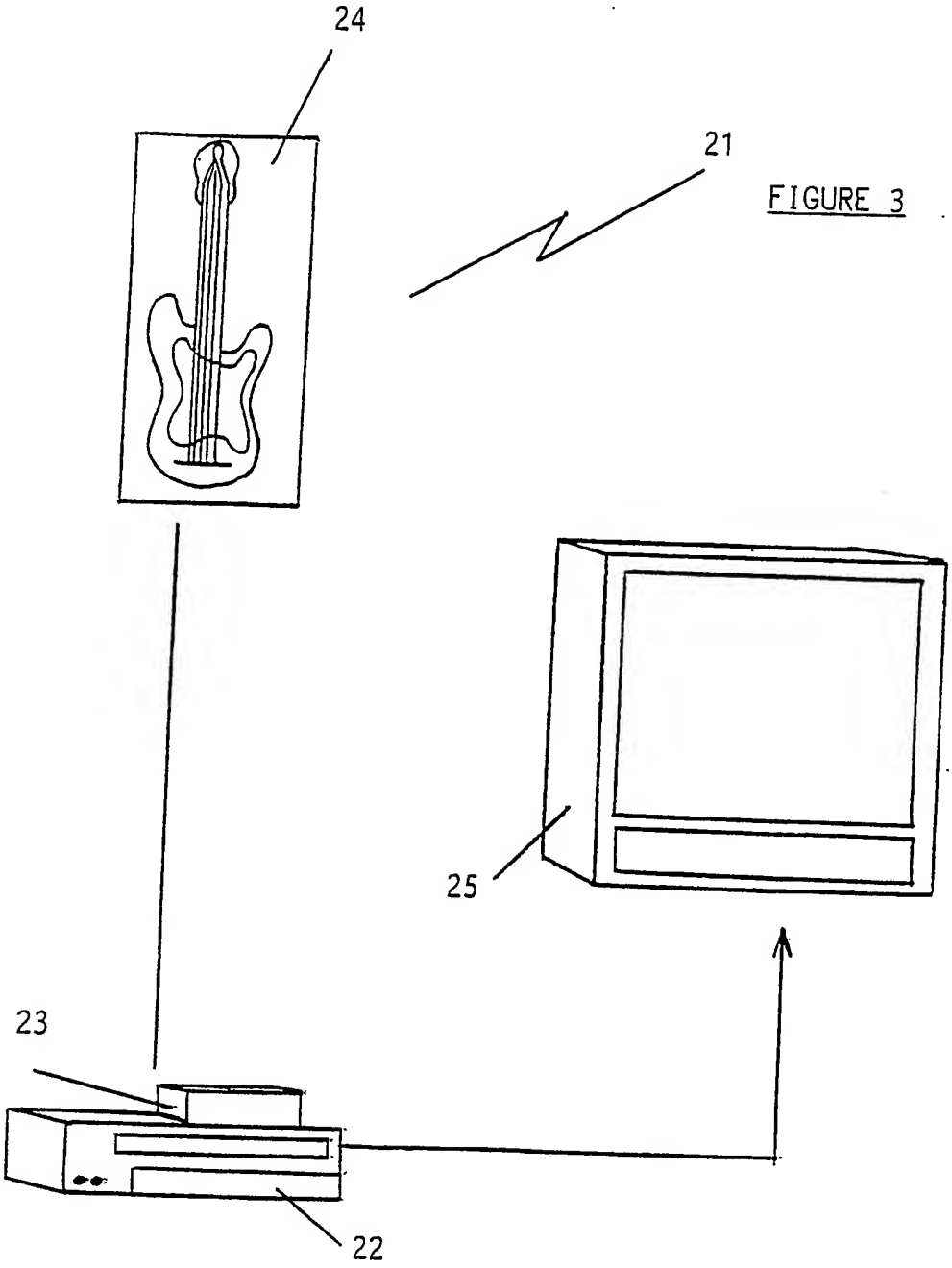


FIGURE 3

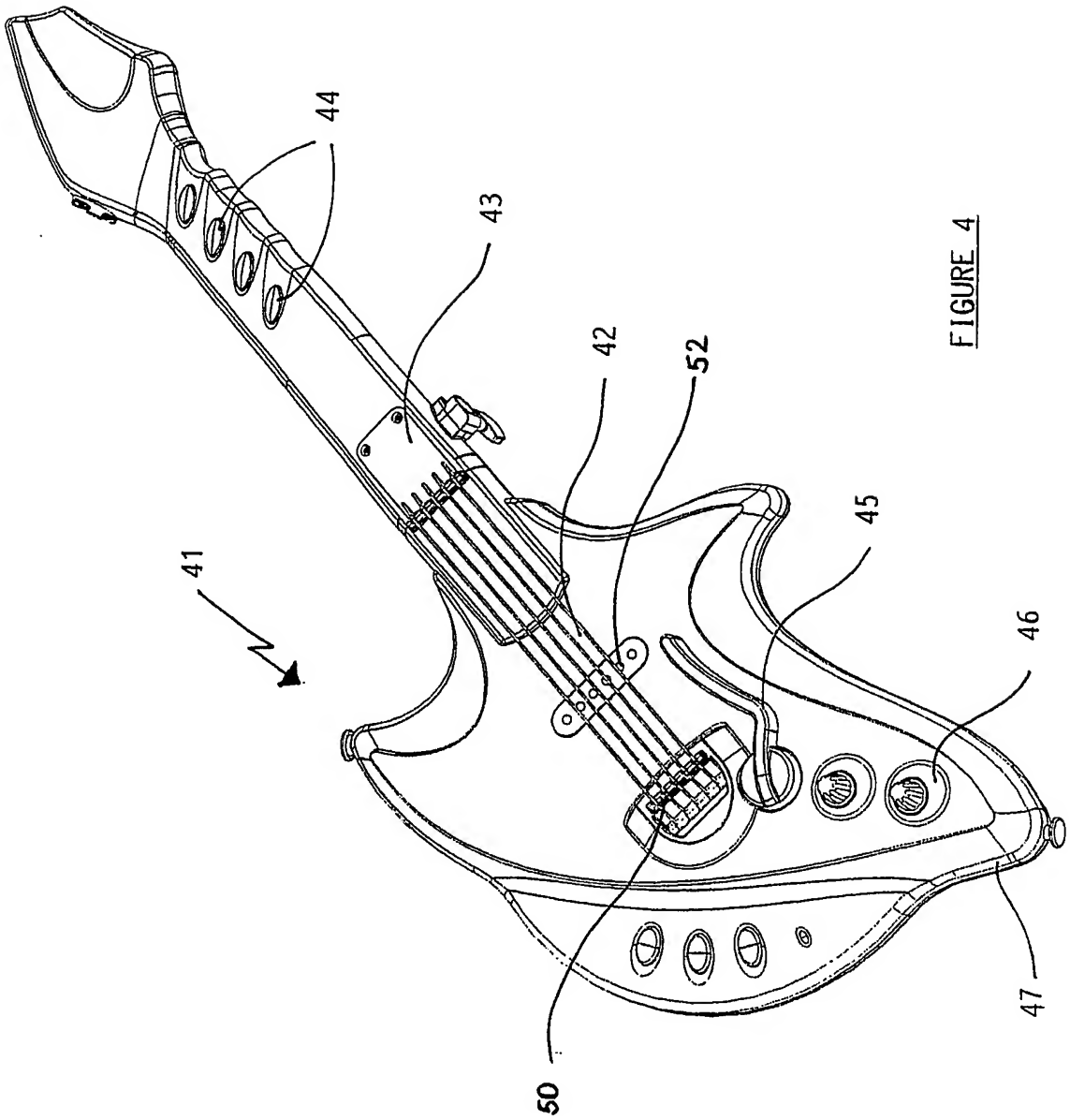


FIGURE 4

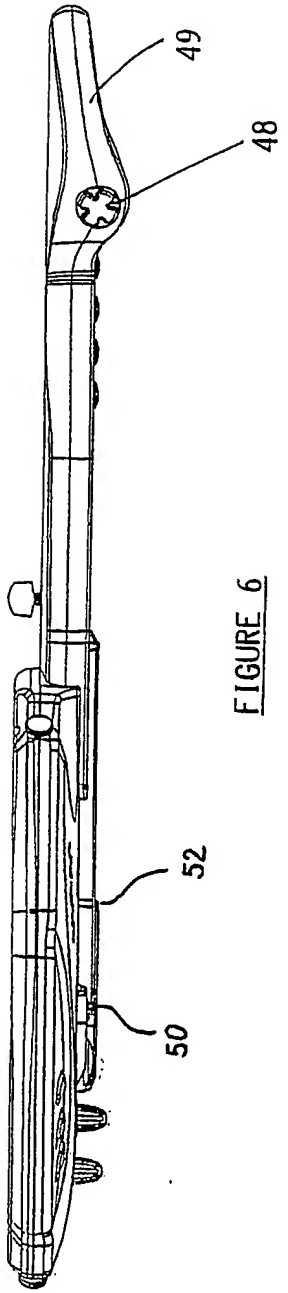


FIGURE 6

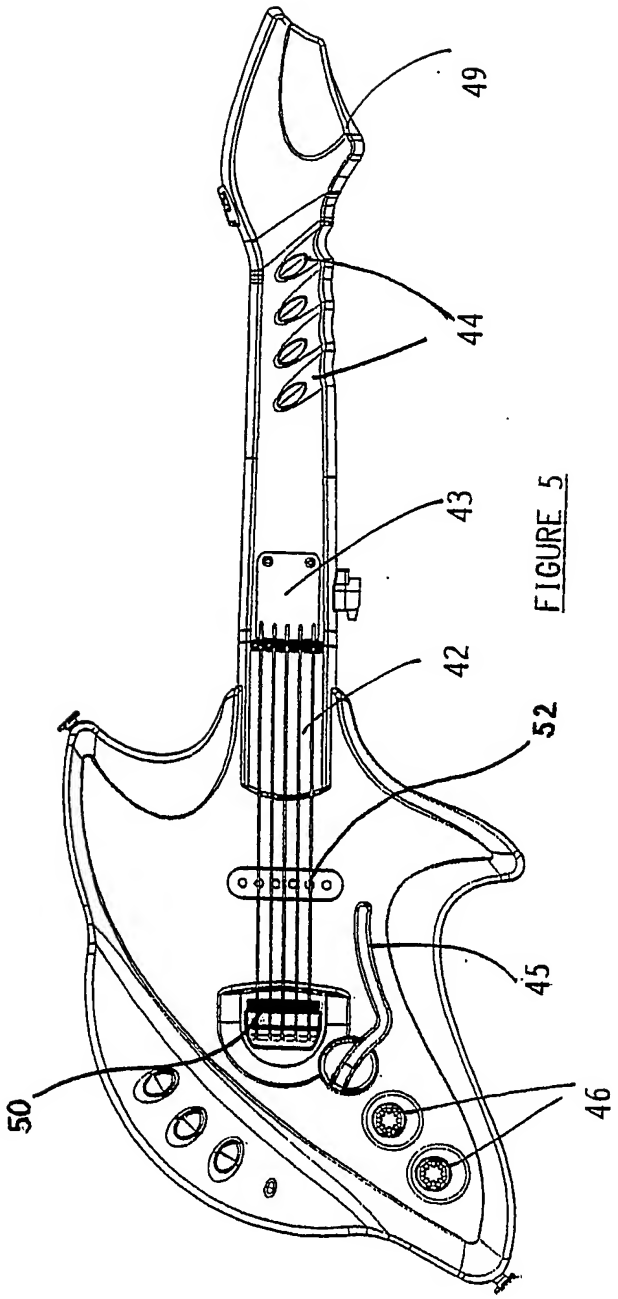


FIGURE 5

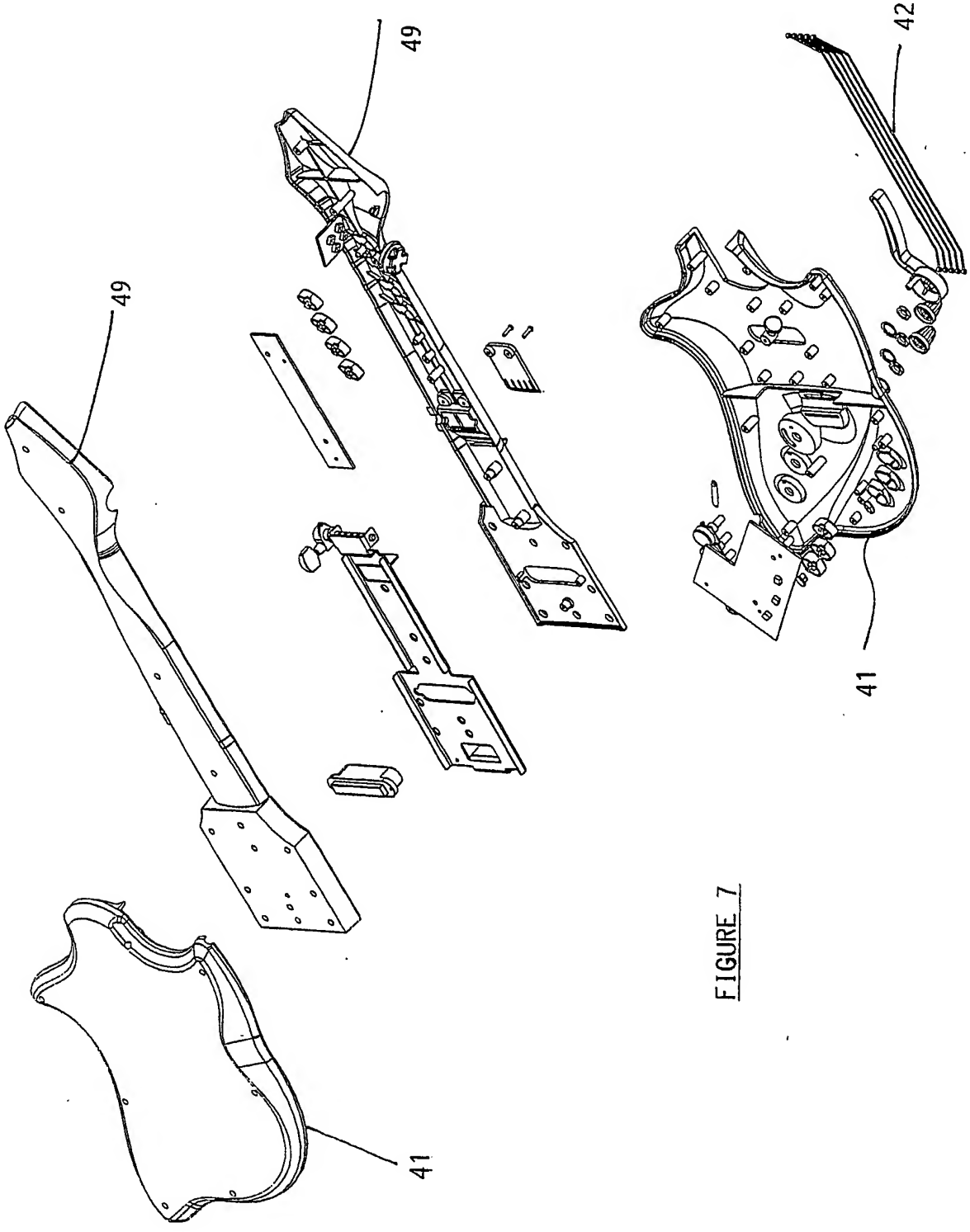


FIGURE 7

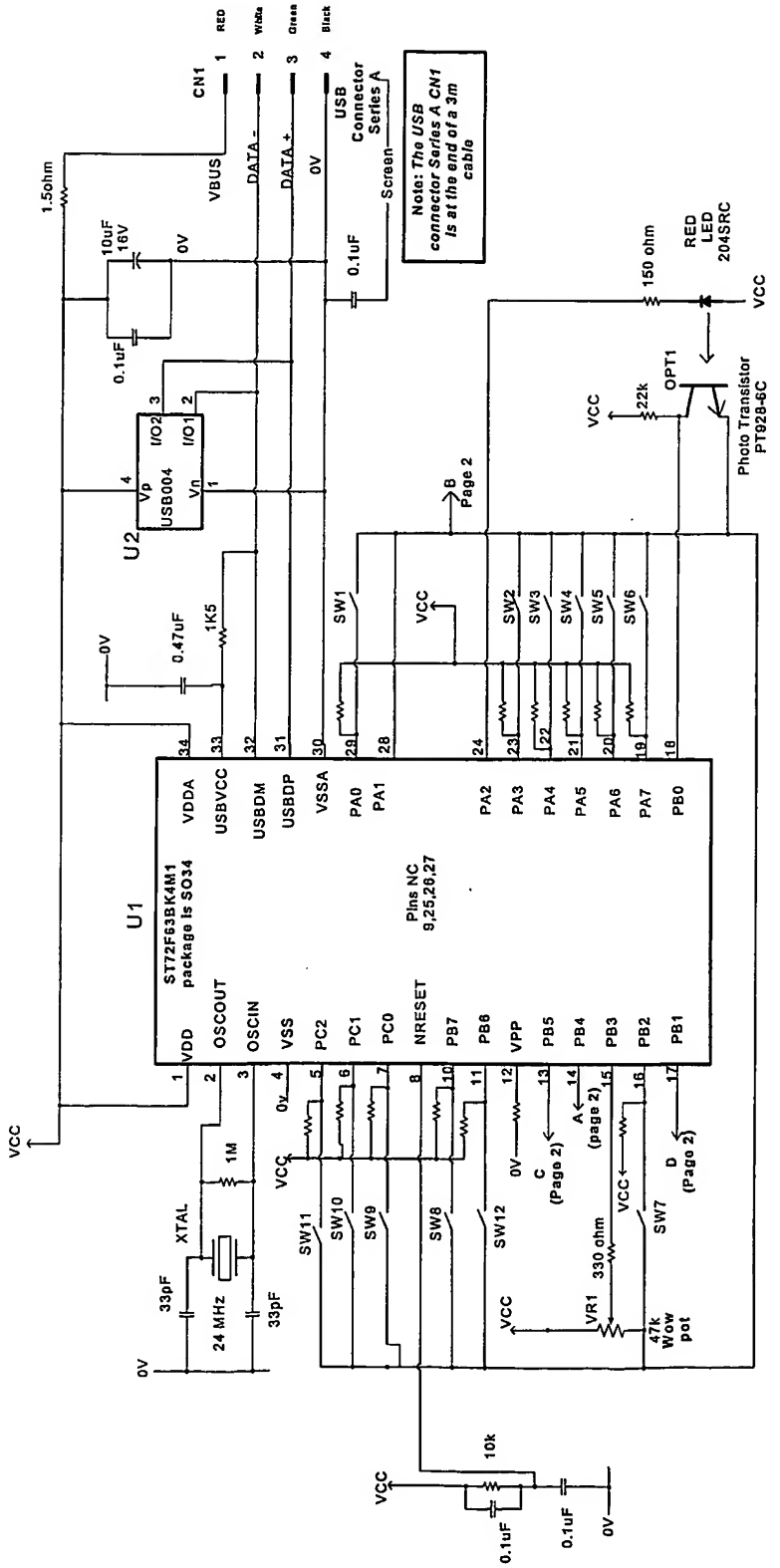
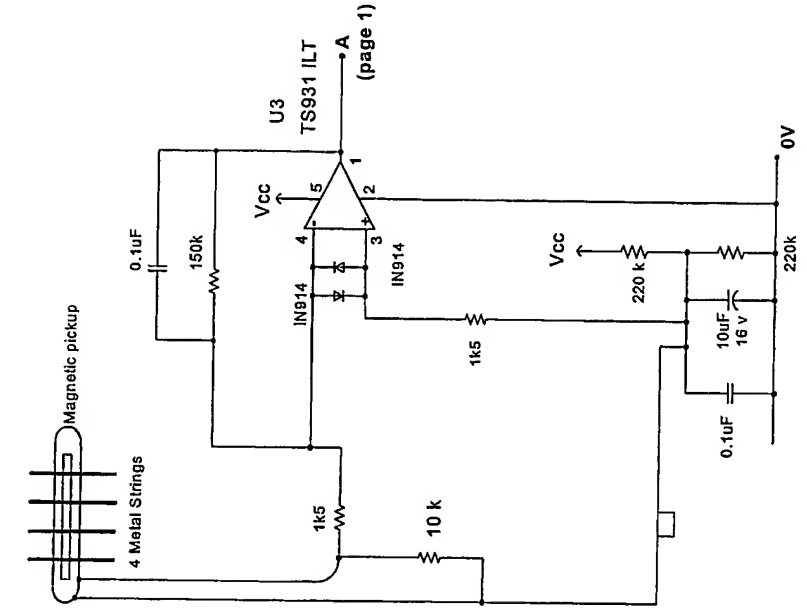

Guitar Schematic
page 1of 2
Rev.
10th June 2002
Note: 1. All resistors 4k7 except where stated
U1
ST72F63BK4M1
package is SO34
U2
USB004
CN1
USB
Connector
Series A
Note: The USB
connector Series A CN1
Is at the end of a 3m
cable
RED
LED
204SRC
Photo Transistor
PT928-6C
OPT1
150 ohm
22k
1.5ohm
10uF
16V
0.1uF
0.47uF
1K5
1M
XTAL
24 MHz
33pF
330 ohm
47k
Wow
pot
VR1
10k
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
SW9
SW10
SW11
SW12
VCC
0V
VBUS
DATA-
DATA+
Screen
RED
White
Green
Black
Pins NC
9,25,26,27
B
Page 2
C
(Page 2)
A
(page 2)
D
(Page 2)

FIGURE 8



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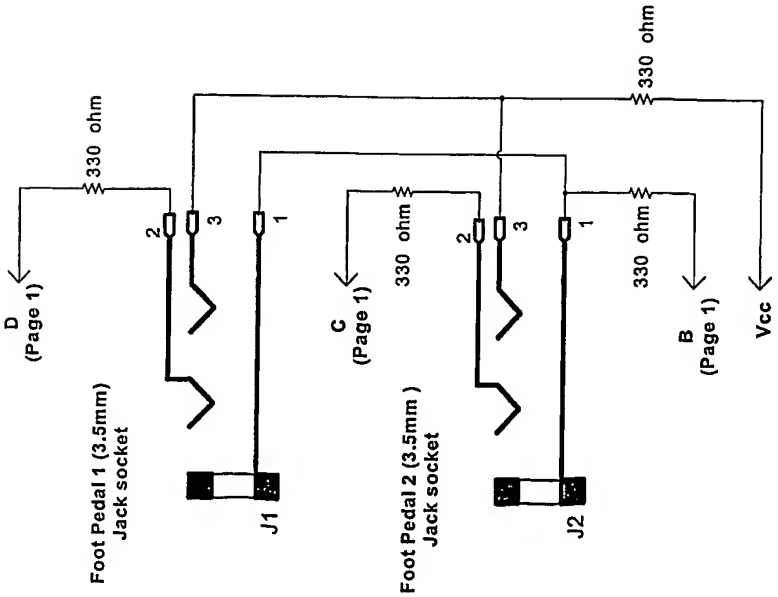
Rev.
10th June 2002

FIGURE 9



Note: 1. All resistors 4k7 except where stated

FIGURE 10

Label A

THE DIATONIC C SCALE:
C C# D D# E F F# G G# A A# B C
D♭ E♭ G♭ A♭ B♭
SELECTED INSTRUMENTS (EXAMPLE MENU)
ELECTRIC GUITAR
OVERDRIVE GUITAR
DISTORTION GUITAR
ACOUSTIC BASS
ELECTRIC PICK
ORGAN
PIANO
TRUMPET
ETC.

Label B

EXAMPLE: 'C' CHORD CHOICES	
C	C6
Cm	Cm6
Cdim	CM7
Caug	CM9
Csus	C7
C2	Cm7

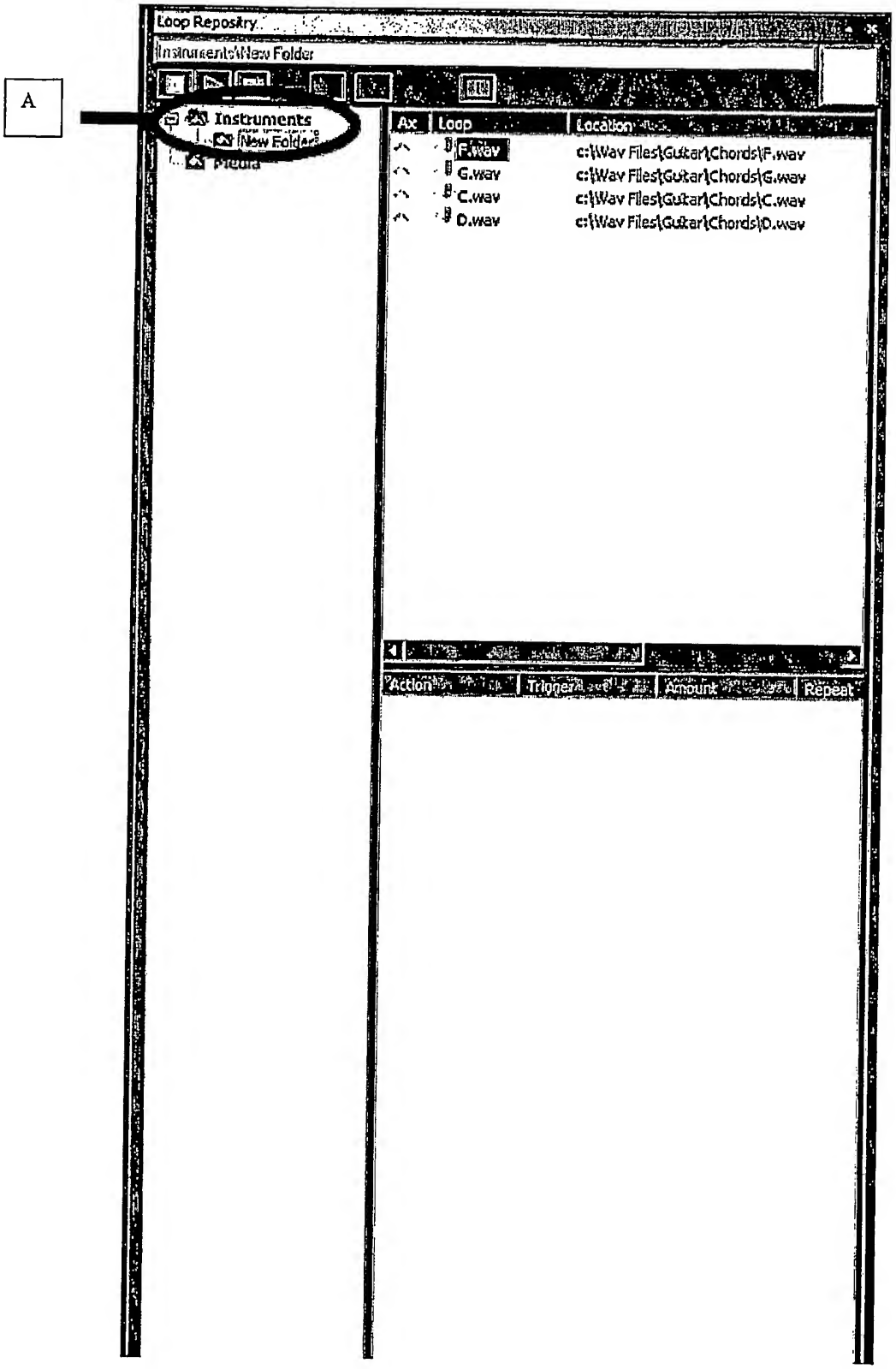

A
Loop Repository
Instruments\New Folder
Instruments
New Folder
Ax
Loop
Location
F.wav
c:\Wav Files\Guitar\Chords\F.wav
G.wav
c:\Wav Files\Guitar\Chords\G.wav
C.wav
c:\Wav Files\Guitar\Chords\C.wav
D.wav
c:\Wav Files\Guitar\Chords\D.wav
Action
Trigger
Amount
Repeat

FIGURE 11

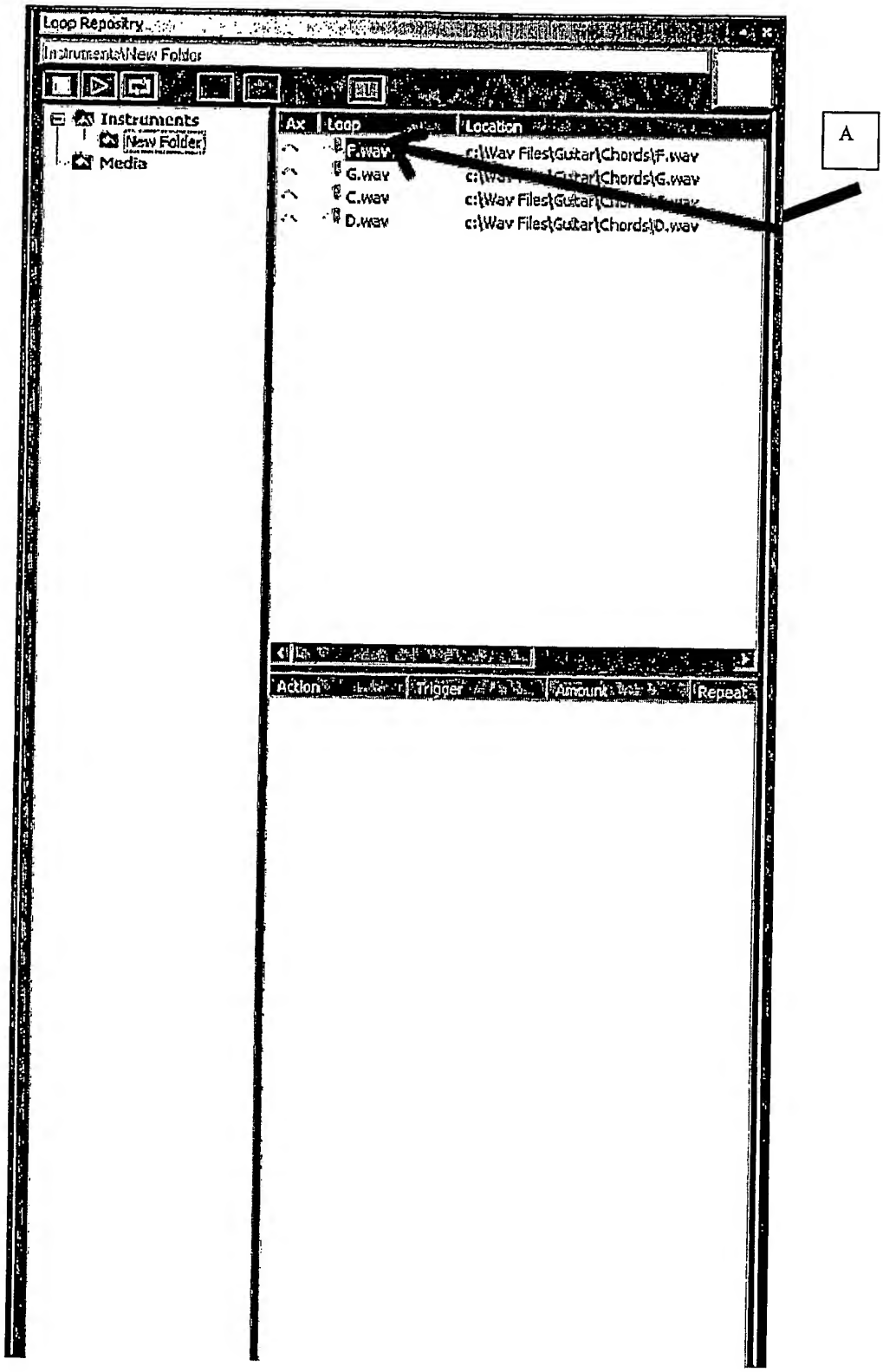

Loop Repository
Instruments\New Folder
Instruments
New Folder
Media
Ax
Loop
Location
F.wav
G.wav
C.wav
D.wav
c:\Wav Files\Guitar\Chords\F.wav
c:\Wav Files\Guitar\Chords\G.wav
c:\Wav Files\Guitar\Chords\D.wav
Action
Trigger
Amount
Repeat
A

FIGURE 12

FIGURE 13

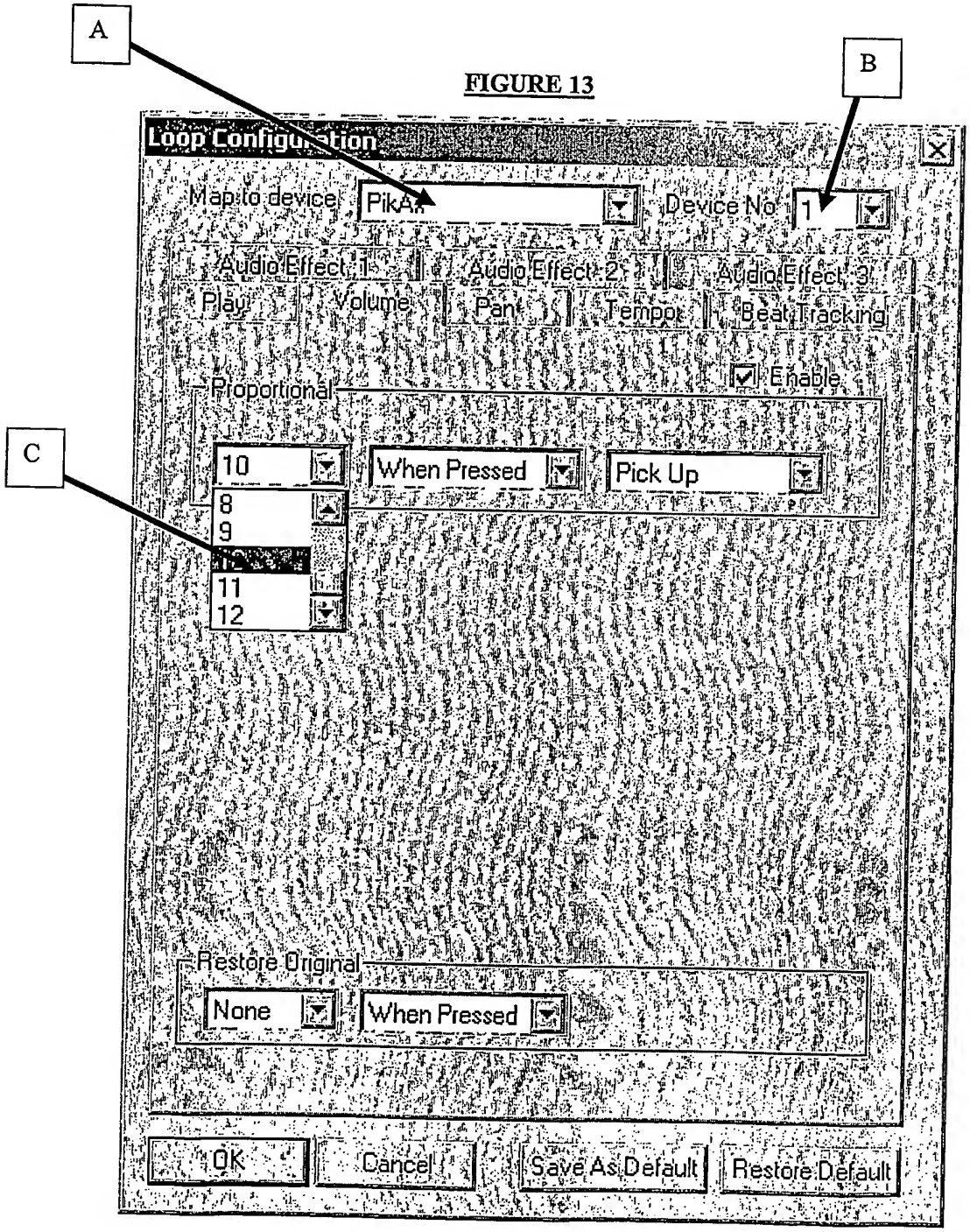

A
B
C
Loop Configuration
Map to device
PikA
Device No
1
Audio Effect 1
Audio Effect 2
Audio Effect 3
Play
Volume
Pan
Tempo
Beat Tracking
Enable
Proportional
10
When Pressed
Pick Up
8
9
11
12
Restore Original
None
When Pressed
OK
Cancel
Save As Default
Restore Default

FIGURE 14

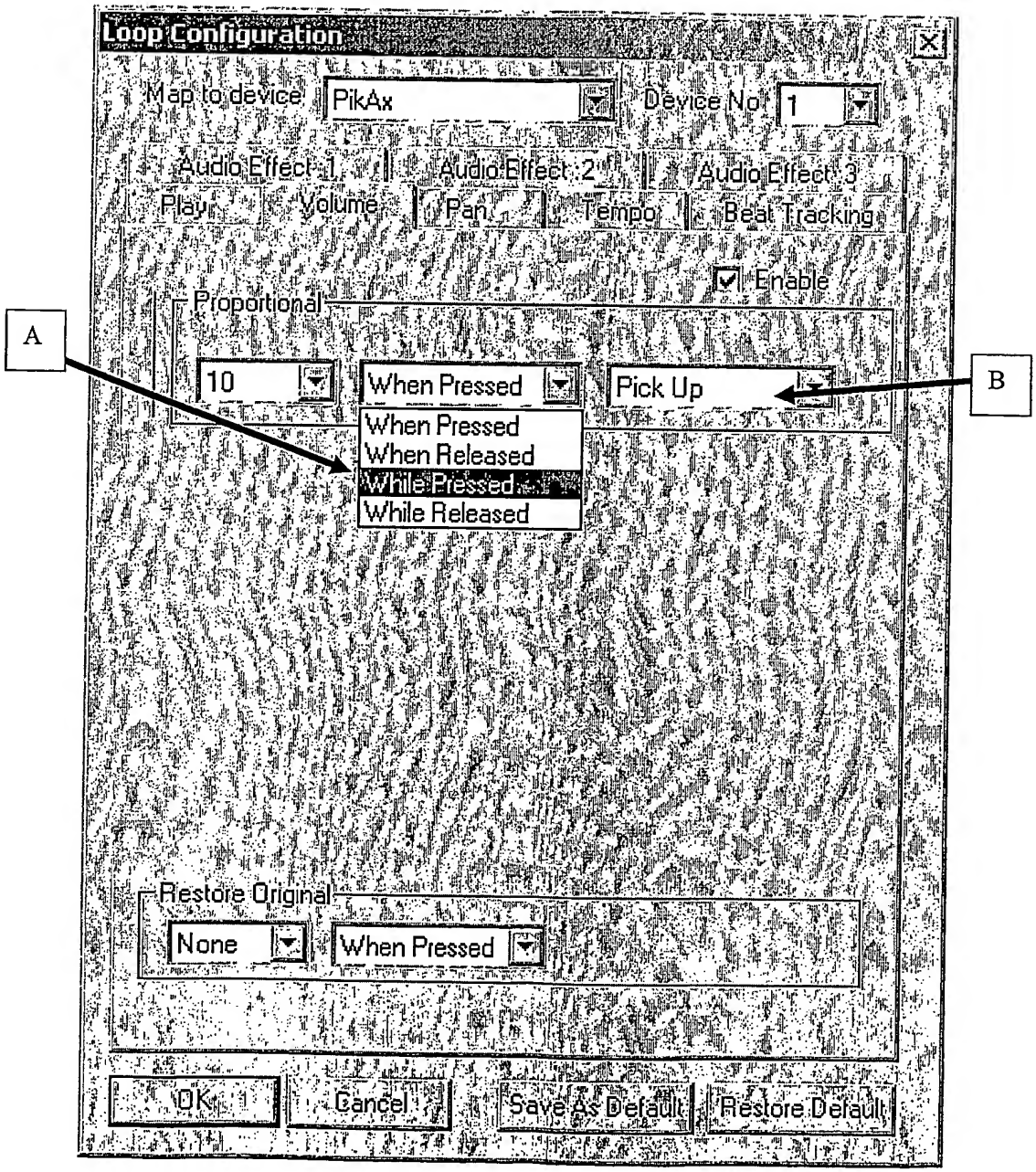

Loop Configuration
Map to device
PikAx
Device No
1
Audio Effect 1
Audio Effect 2
Audio Effect 3
Play
Volume
Pan
Tempo
Beat Tracking
Enable
Proportional
10
When Pressed
Pick Up
When Pressed
When Released
While Pressed
While Released
A
B
Restore Original
None
When Pressed
OK
Cancel
Save As Default
Restore Default

FIGURE 15

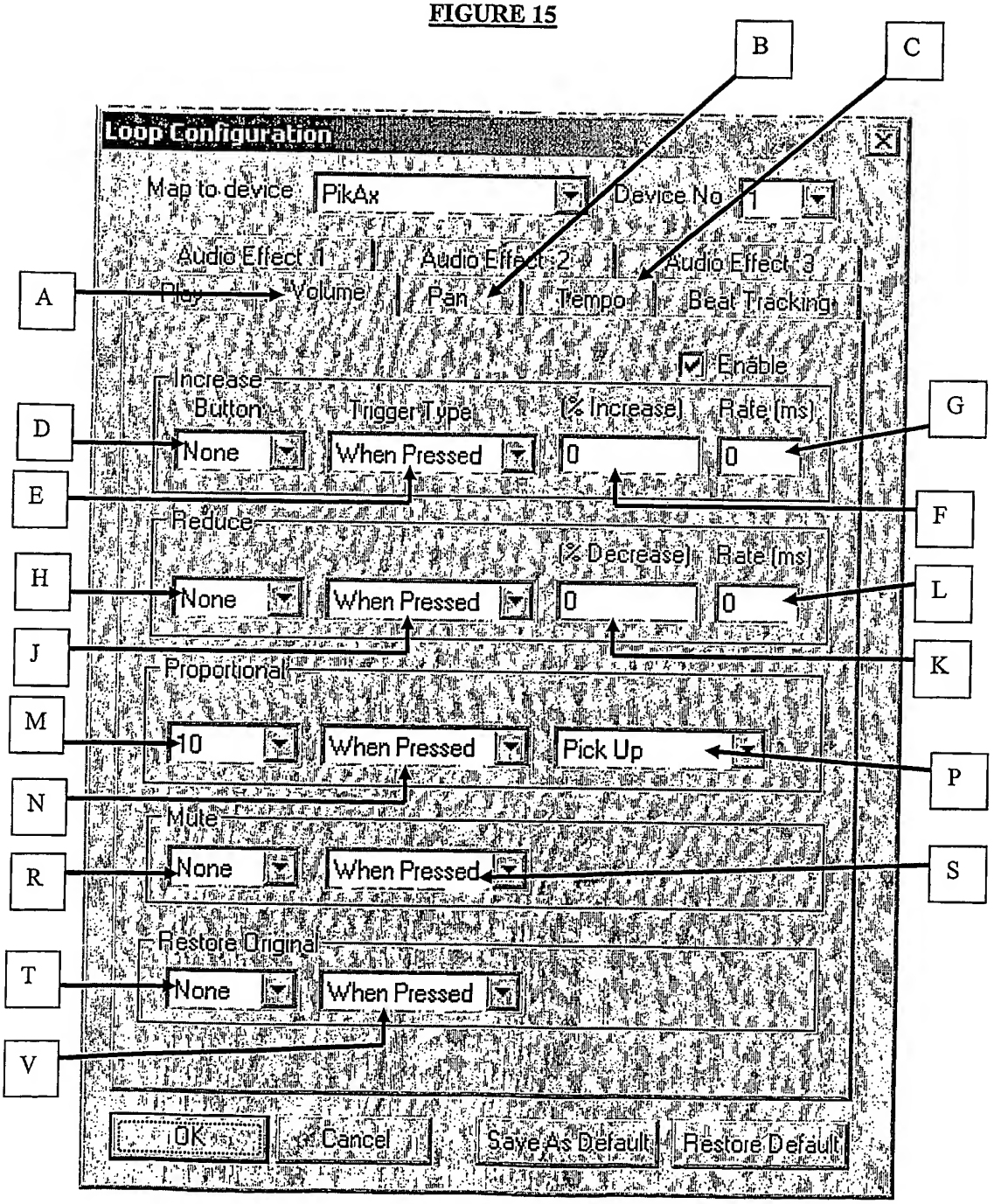

Loop Configuration
Map to device
PikAx
Device No
1
Audio Effect 1
Audio Effect 2
Audio Effect 3
Play
Volume
Pan
Tempo
Beat Tracking
Enable
Increase
Button
Trigger Type
(% Increase)
Rate (ms)
None
When Pressed
0
0
Reduce
(% Decrease)
Rate (ms)
None
When Pressed
0
0
Proportional
10
When Pressed
Pick Up
Mute
None
When Pressed
Restore Original
None
When Pressed
OK
Cancel
Save As Default
Restore Default
A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
S
T
V

FIGURE 16

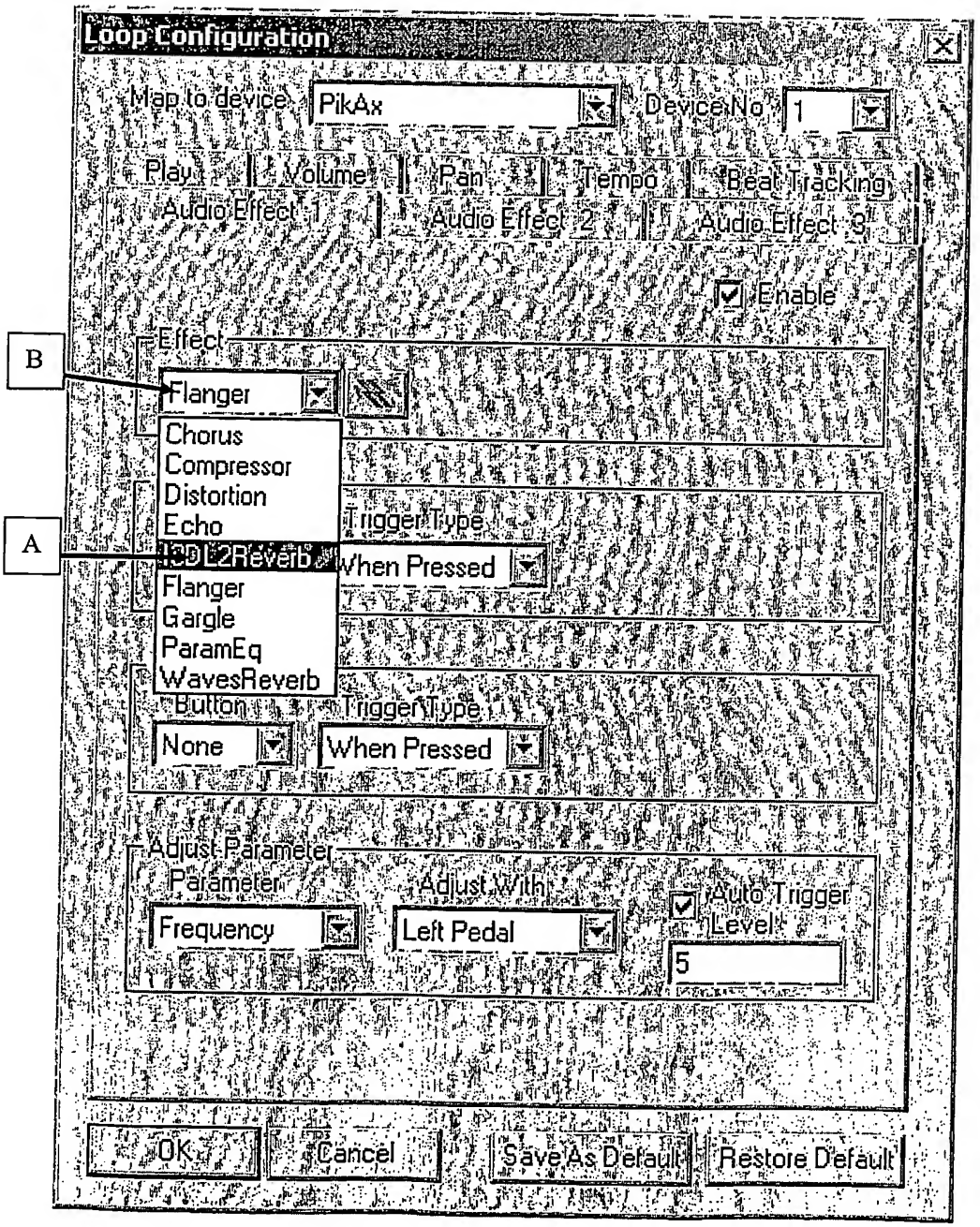
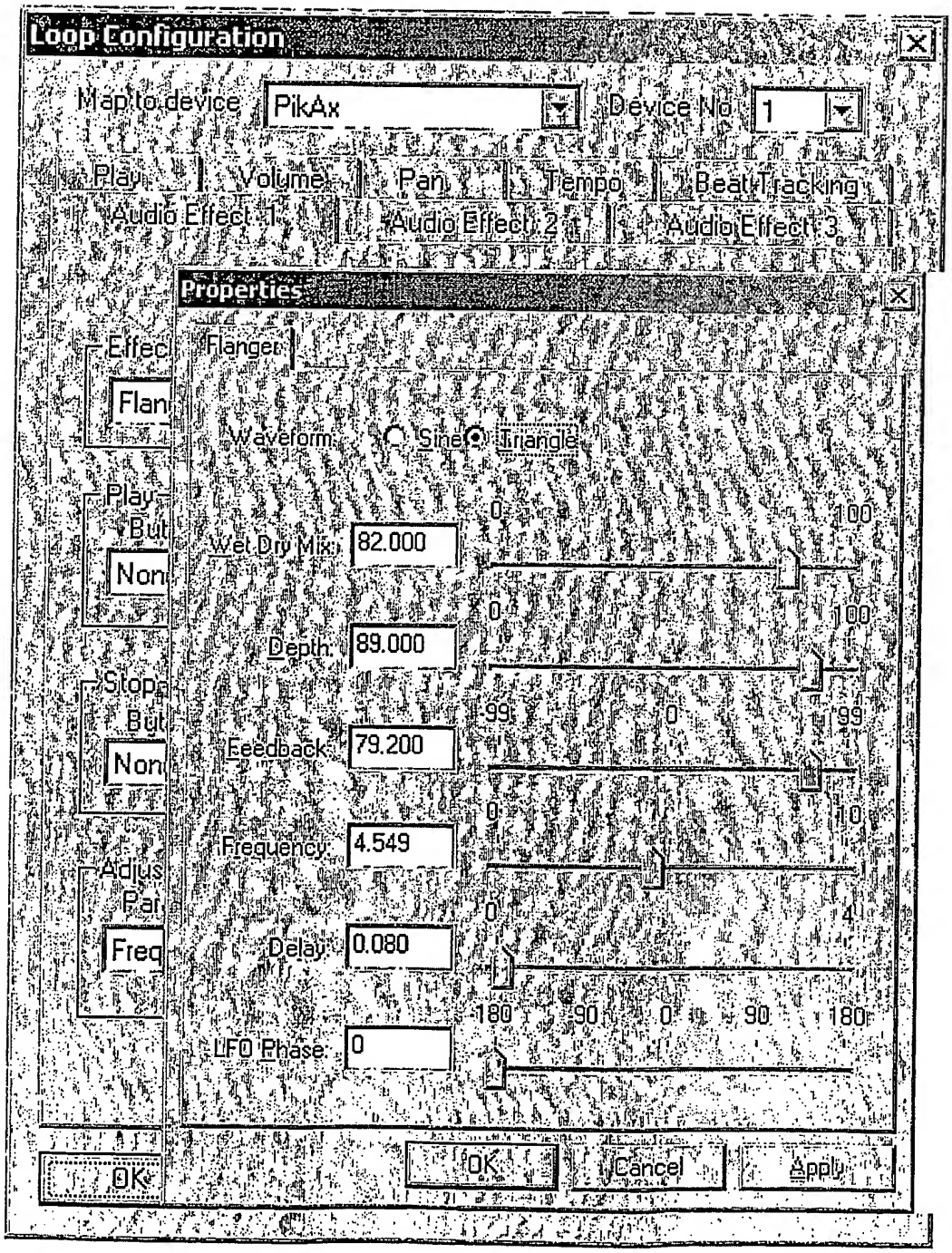

Loop Configuration
Map to device
PikAx
Device No
1
Play
Volume
Pan
Tempo
Beat Tracking
Audio Effect 1
Audio Effect 2
Audio Effect 3
Enable
Effect
B
Flanger
Chorus
Compressor
Distortion
Echo
A
I3DL2Reverb
Flanger
Gargle
ParamEq
WavesReverb
Trigger Type
When Pressed
Button
Trigger Type
None
When Pressed
Adjust Parameter
Parameter
Adjust With
Auto Trigger
Frequency
Left Pedal
Level
5
OK
Cancel
Save As Default
Restore Default

FIGURE 17


Loop Configuration
Map to device
PikAx
Device No
1
Play
Volume
Pan
Tempo
Beat Tracking
Audio Effect 1
Audio Effect 2
Audio Effect 3
Properties
Effec
Flanger
Flan
Waveform:
Sine
Triangle
Play
But
Non
Wet Dry Mix:
82.000
0
100
Depth:
89.000
0
100
Stop
But
Non
Feedback:
79.200
-99
0
99
Frequency:
4.549
0
10
Adjus
Par
Freq
Delay:
0.080
0
4
LFO Phase:
0
-180
-90
0
90
180
OK
OK
Cancel
Apply

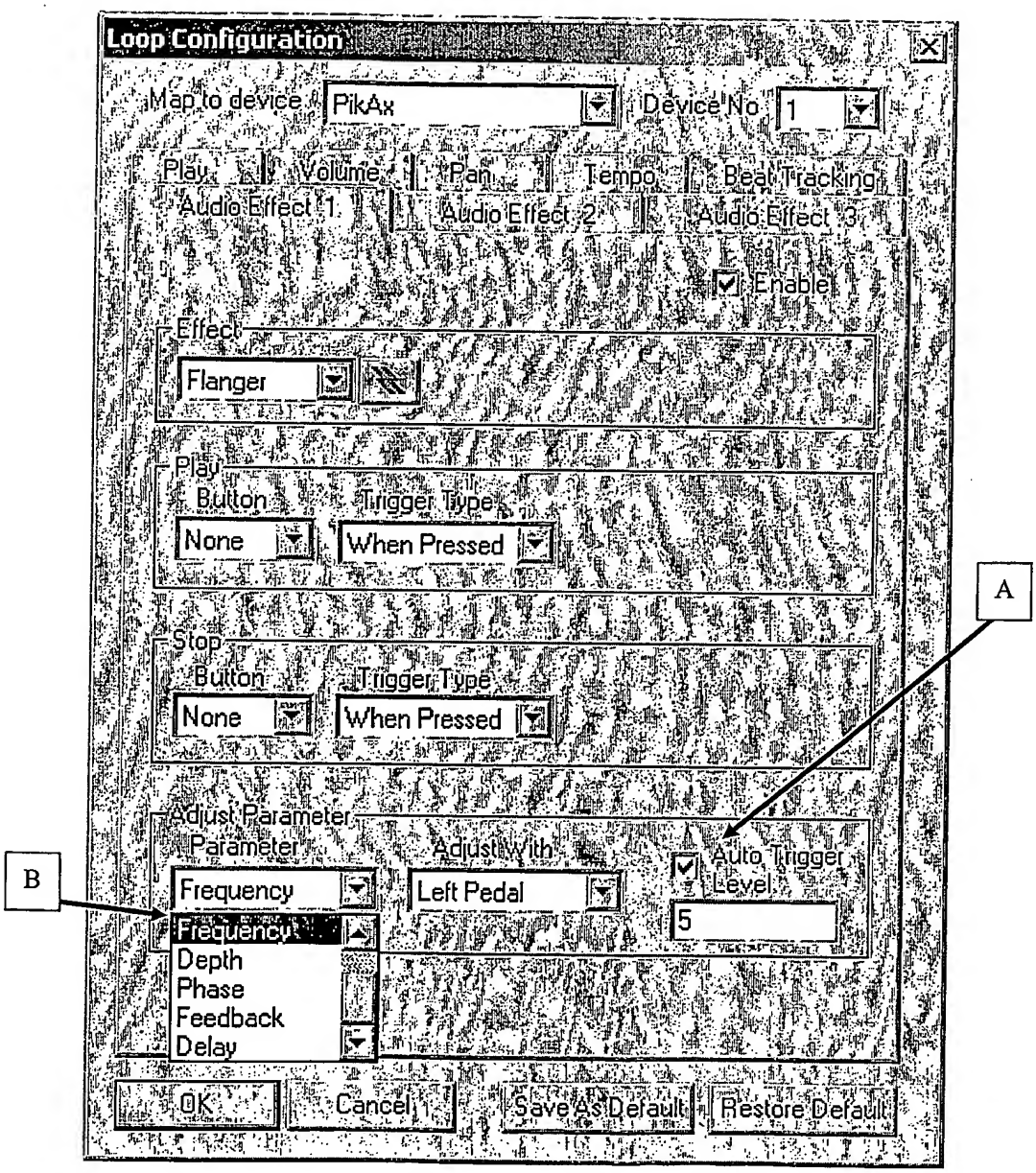
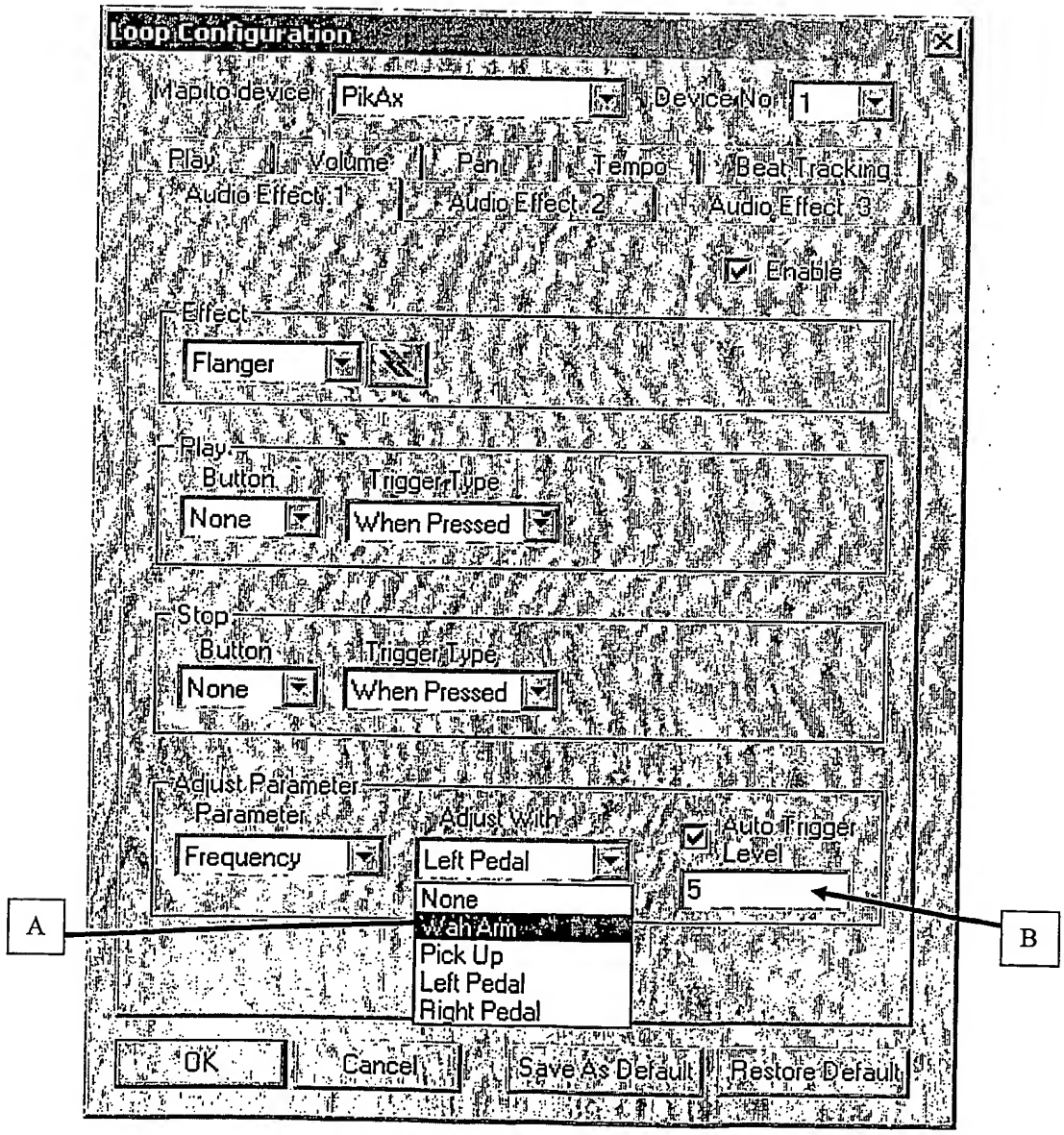

Loop Configuration
Map to device
PikAx
Device No
1
Play
Volume
Pan
Tempo
Beat Tracking
Audio Effect 1
Audio Effect 2
Audio Effect 3
Enable
Effect
Flanger
Play
Button
Trigger Type
None
When Pressed
Stop
Button
Trigger Type
None
When Pressed
Adjust Parameter
Parameter
Adjust with
Auto Trigger
Level
Frequency
Left Pedal
5
Frequency
Depth
Phase
Feedback
Delay
OK
Cancel
Save As Default
Restore Default
A
B

FIGURE 18

FIGURE 19


Loop Configuration
Mapito device
PikAx
Device No
1
Play
Volume
Pan
Tempo
Beat Tracking
Audio Effect 1
Audio Effect 2
Audio Effect 3
Enable
Effect
Flanger
Play Button
None
Trigger Type
When Pressed
Stop Button
None
Trigger Type
When Pressed
Adjust Parameter
Parameter
Frequency
Adjust With
Left Pedal
Auto Trigger Level
5
None
Wah Arm
Pick Up
Left Pedal
Right Pedal
OK
Cancel
Save As Default
Restore Default
A
B